

Glenn Research Center Environmental Management System Overview

Michael Blotzer
Chief, Environmental Management Office
EMS Representative

Glenn Research Center

at Lewis Field



Environmental Policy

*NASA Glenn Research Center
operates in a manner that protects and
preserves the environment through
pollution prevention, the
continual improvement of our operations,
and complying with environmental
regulations.*



Environmental Management System (EMS)

- Focuses efforts on reducing most significant environmental impacts
- Part of Center's Business Management System
- Environmental Program Manual is EMS Core
 - Accessible from “Policies and Procedures” link
 - Chapter 1 describes EMS structure, responsibilities
 - Other chapters are “Operational Controls”
- EMS Representative, Michael Blotzer, 433-8159



Objectives and Targets

- Center-wide goals aimed at reducing our most significant environmental impacts
 - Hazardous Waste
 - Spills & releases of chemicals, oil, fuel, etc.
 - Personal injury
 - Construction related impacts
 - Habitat and species conservation
- Part of the Center's Strategic Implementation Plan
- Everyone plays a role in achieving Center's targets



Center EMS Objectives & Targets

Objective	Targets	Assigned To	Program	Date Due	Performance Indicators & Metrics
Reduce the likelihood of spills and releases.	All personnel handling hazardous chemicals, waste, and petroleum products are trained in spill prevention procedures. Control or cleanup all spills within 24 hours.	P. Mobley	EPM Chap 8, 23, 24, 27, 38	9/30/2004 Within 24 hours of spill.	Percentage of personnel meeting HAZCOM, RCRA, SPCC, and Tank Manager training requirements. Number of spills and releases and number controlled or cleaned up within 24 hours.
Reduce hazardous materials use, waste, and pollution.	Implement six pollution prevention activities.	D. Papcke	EPM Chap 6	9/30/2004	Number of pollution prevention activities implemented
Comply with all regulatory requirements.	Correct or develop corrective action plan for all regulatory items of non-compliance within 3 months.	M. Blotzer	CPAR GRC-P4.7	Within 3 months of identifying violation	Number non-compliances. Percentage of non-compliances corrected or with corrective action plans within 3 months.



Center EMS Objectives & Targets

Objective	Targets	Assigned To	Program	Date Due	Performance Indicators & Metrics
Reduce solid waste generation	Develop construction waste recycling program with quantifiable recycling goals. Meet recycling goal.	M. Bajorek	EPM Chap 5, 34	9/30/2004	% of recycling goal.
Exercise responsible stewardship for NASA controlled natural resources	Burn 100% of acreage identified by species management plan. Meet 100% of deer reduction goal identified by species management plan.	R. Lallier R. Lallier	PBS Species Management Plan.	9/30/2004	% of acres controlled by burns. % of target cull rate.



Your Role

- Identify and attend required training
- Know environmental aspects/impacts of your job
 - Include EHS in planning
 - Identify regulatory requirements
 - Eliminate, substitute, or minimize hazardous chemical use
 - Anticipate and plan for emergencies



Your Role

- Know and implement policies and procedures
 - Environmental Programs Manual
 - Your organization's EHS procedures
- Support Recycling and Affirmative Procurement
- Help GRC meet its objectives and targets

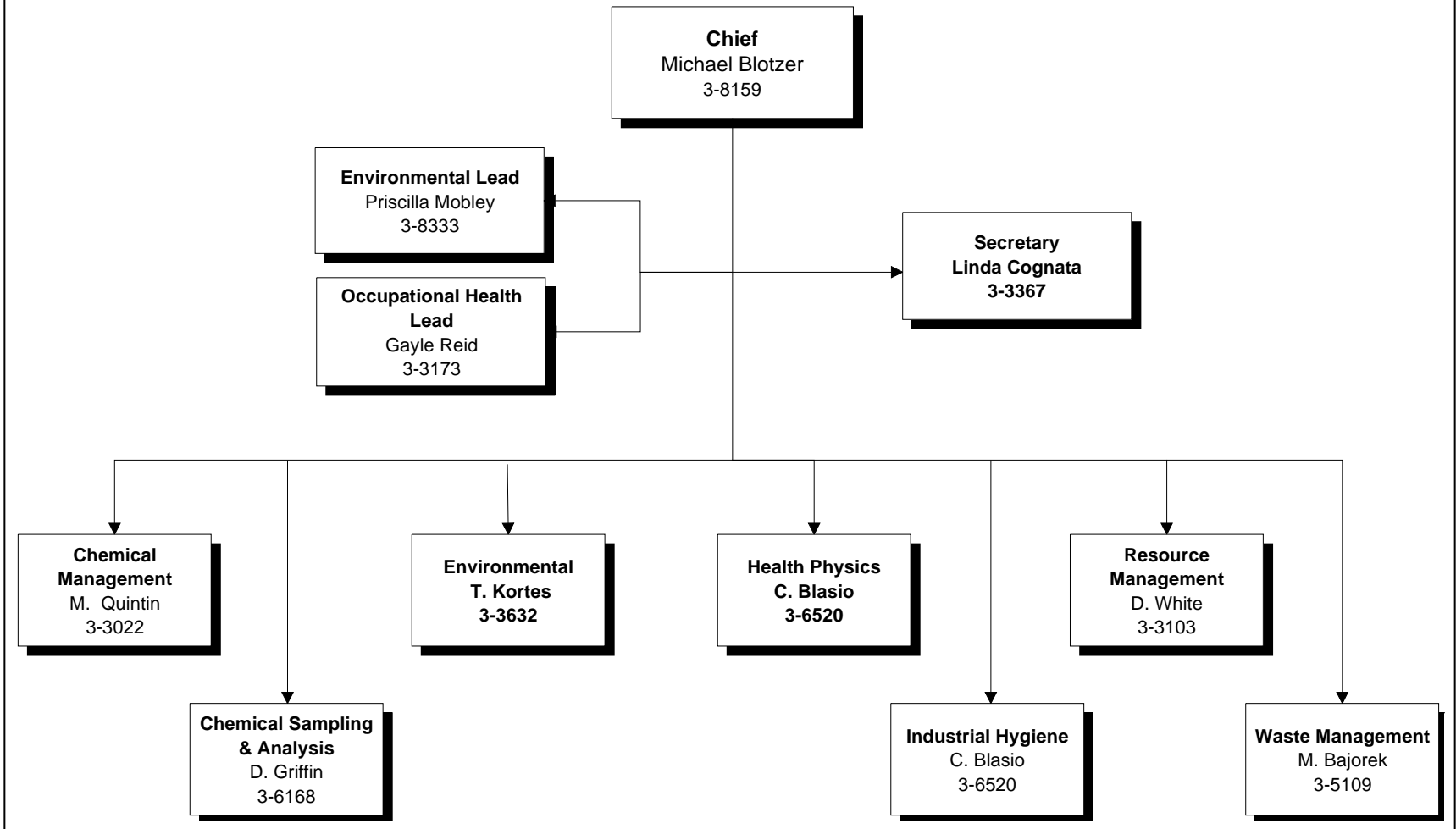


Key Regulatory Requirements

- National Environmental Policy Act
- Chemicals, hazardous materials
- Waste management
- Soils
- Radioactive materials
- Lasers, non-ionizing radiation
- Air permitting
- Water permitting



**Environmental Management Office
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EMO Teams

- **Chemical Management Team**
 - Assists chemical users with the chemical management process—the acquisition, transportation, handling, use, and storage – while ensuring all regulatory requirements are met.
- **Chemical Sampling and Analysis Team**
 - Provides chemical sampling and analysis services and expert consulting. services include sampling and chemical analysis of water, soil, fuels, oils, paint, and insulation materials.



EMO Teams

- **Environmental Compliance Team**
 - Educates the GRC community in its responsibilities relating to the environment and ensures activities conducted at the facility are accomplished in compliance with Federal, State, and local environmental regulations.
- **Emergency Response Team**
 - Ensures that GRC manages environmental emergencies properly. Oversees spill prevention, response, and remedial actions.



EMO Teams

- **Health Physics Team**

- Provides the technical guidance needed to comply with governmental and institutional regulations regarding the use of ionizing and non-ionizing radiation sources, electromagnetic fields, and radio frequency generators.

- **Industrial Hygiene Team**

- Manages key programs designed to ensure that GRC achieves its mission in a manner that protects employee's health. These programs include, lead, cadmium, OSHA regulated chemicals, respiratory protection, ventilation for worker protection, asbestos and indoor air quality.



EMO Teams

- **Resource Management Team**
 - Manages EMO BMS/ISO procedures, documents, and records. Manages the EMO budget, procurement, contracting, and technology processes. Ensures that EMO funded projects are executed with the highest degree of efficiency and effectiveness.
- **Waste Management Team**
 - Provides disposal services for hazardous materials ensuring compliance with all Federal and State laws and regulations.



Help is just a call away

- Michael Blotzer, EMS Representative, 3-8159
- Gayle Reid, Occupational Health Lead, 3-3173
- Priscilla Mobley, Environmental Lead, 3-8333
- GRC Help Line, 3-8848

